# HuddleCamHD

## Compatibility

- Windows 7/8/8.1/10
- Mac OS X
- Acano
- Adobe Connect
- BlueJeans
- Cisco Jabber
- Cisco WebEx
- Easymeeting
- Facetime
- Fuzebox
- Google Hangout
- GoToMeeting
- Lifesize
- Skype for Business(Lync)
- Polycom RealPresence
- Radavision
- Spontania
- Skype
- TurboMeeting.US
- Vidyo
- Vsee
- Zoom.US
- Google Hangouts on Air
- YouTube Live

## Features

- 20X Optical Zoom
- USB 3.0
- RS-232 & RS-485
- 1920 x 1080
- 60.7° Field of View
- Wide Dynamic Range
- Up to 60fps
- 255 Presets
- IR Remote
- Wireless Receiver

The HuddleCam Air is ideal for medium to large sized meeting rooms providing a clean & easy installation.

## HUDDLECAM AIR

### Model Number: HCA20X-SV

## Specifications

### Camera & Lens

| | |
|---|---|
| Video CMOS Sensor | 1/3" CMOS 2.12 Mega Pixel Sensor |
| Video Signal | 1080p 30/25 |
| | 1080i 60/50 |
| | 720p 60/50 |
| Lens Zoom | 20X Optical Zoom, 16X Digital |
| Tamaron Lens | f=4.42 ~ 88.5mm, f=1.8 ~ 2.8mm |
| Field of View | 3.36° ~ 60.7° (Horizontal) |
| | 1.89° ~ 34.1° (Vertical) |
| Scanning mode | Progressive |
| Shutter Speed | 1/25s ~ 1/10,000s |
| Min Illumination | 0.5 Lux at F1.8 (AGC On) |
| White Balance | Auto, Indoor, Outdoor, One-Push, Manual |
| Backlight | Backlight compensation supported |
| Digital Noise | 2D & 3D Digital Noise Reduction |
| Video S/N | ≥55dB |
| Number of Presets | 255 |
| Preset Accuracy | 0.1° |

### Pan/Tilt Movement

| | |
|---|---|
| Pan Movement | ±170° |
| Tilt Rotation | Up: 90°, Down: 30° |
| Presets | 255 |

### Electrical Index

| | |
|---|---|
| Power Supply Adapter | 12V DC 2A |
| Input Voltage | 12V DC (10.5-14V DC) |
| Input Power | 24W (Max) |

### Camera Interface & Dimensions

| | |
|---|---|
| Network Interface | 1X RJ45: 10M/100M Ethernet Port |
| Communication In/Out | 1X RS-232 IN: 8pin Min-DIN, Max 30m |
| | 1X RS-485: 2pin port, Max 1500m |
| Control Protocols | VISCA/Pelco-D/Pelco-P |
| Power Supply Interface | JEITA type (DC IN 12V) |
| Camera Size (in.) | 9.4W x 5.6H x 7.4D (8.0H w/tilt up) |
| Camera Size (mm.) | (239W x 143H x 188D) [207H w/ Tilt up] |
| Camera Weight | 3.55 lbs (1.61 Kg) |

# Specifications Continued

## Wireless Receiver Specifications

| | |
|---|---|
| Range | 80 feet open space (Clear line of sight) |
| Wireless Frequencies | 5.15-5.25, 5.25-5.35, 5.47-5.72, 5.72-5.8 (GHz) |
| Input Voltage | 5V DC |
| Current Consumption | 2.0A (Max) |
| Operating Temp | 23°F ~ 104°F    (-5°C ~ 40°C) |
| Storage Temp | -4°F ~ 140°F    (-20°C ~ 60°C) |
| Power Consumption | 10W |
| Dimensions (in.) | 3.00 W x 10.00 D x 1.25 H |
| Dimensions (mm) | 76.2 W x 254 D x 31.75 H |
| Weight | 0.66 lbs (0.29 Kg) |
| OS Support | Windows XP, Vista, 7, 8, OS X 10.4 and up |

## Wireless Transmission Specifications

| | |
|---|---|
| Range | 80 feet open space (Clear line of sight) |
| Wireless Frequencie | 5.15-5.25, 5.25-5.35, 5.47-5.72, 5.72-5.8 (GHz) |
| Frequency Stability | ± 10 PPM |
| Bandwidth | 20 / 40 MHz |
| Receiving Sensitivity | ≤ - 75 dBm |
| Transmission Power | 13 ± 2dBm |
| Antenna(s) | Internal |

## Quality Management System

Certified ISO9001: 2008

## What's in the Box

| |
|---|
| 20X Zoom Wireless Camera |
| 12V DC 2.0A Power Adapter |
| Wireless Receiver & Power Supply (5V DC 2A) |
| USB 3.0 A-B Cable (2m) |
| IR Remote Control |
| User Manual (also downloadable online) |

## Receiver Input/Output Interface

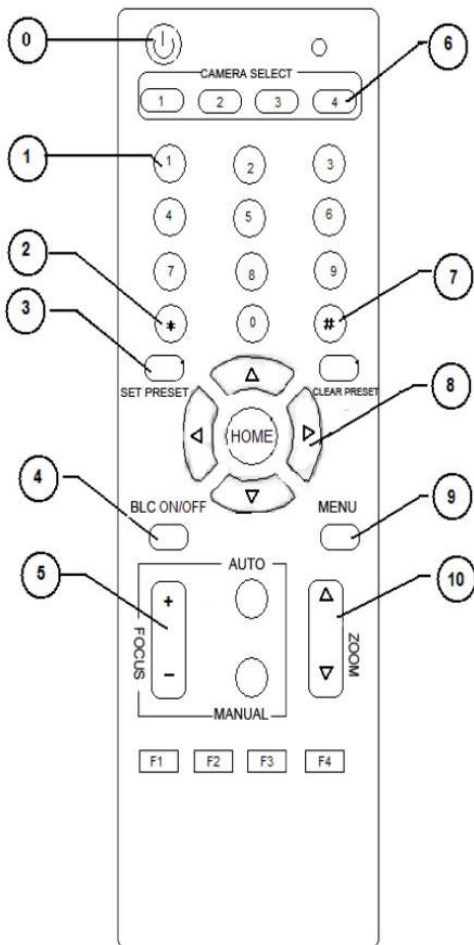| | |
|---|---|
| Interface | USB 3.0, USB 2.0* |
| | *limited frame rates & resolution |
| Connector | USB 3.0 B-Type Connector |
| Power Connector | 5.5mm (DC IN 5V) |

**Capable of 1920x1080p**
**Up to 80' from Camera/Receiver**

1. **Lens**
   20x Optical Zoom.

2. **Camera Base**

3. **Tripod Screw Hole**
   Will accept 1/4-20 bolt from 3rd party tripod, wall or ceiling mount.

4. **IR Receiver**
   To receive IR remote controller signal.

5. **Wireless Receiver**
   Provides USB 3.0 connectivity.

6. **USB 3.0 Port**
   USB 3.0 port for connection to computer.

7. **System Select**
   For selecting output resolution.

8. **VISCA Port**
   For hard wired remote control from a 3rd party PC, joystick, etc...

9. **Ethernet Port**
   For Remote PTZ Camera Control & IP Streaming capabilities.

10. **Camera Power**
    Only use the Power Adapter supplied with this camera.

11. **On/Off Switch**
    Turns camera on and off.

12. **Receiver Power**
    Supplies power to wireless receiver. Only use supplied power supply.

# Remote Contol

0. **Standby key**
   After pressing the standby key, the camera will go into standby mode. Press again, the camera will turn on. (Note: Standby mode power consumption is abouthalf of normal mode consumption)

1. **Number keys**
   For setting or recalling presets.

2. **\* key**
   For key combination use.

3. **Set preset key:**
   Set preset key + 0-9 number key.
   Clear preset key.
   Clear preset key + 0-9 number key or .#+#+#. clear all the presets.

4. **BLC control key**
   BLC ON: Turn on Back Light Compensation (only works when exposure mode setting is Auto)
   BLC OFF: Turn off Back Light Compensation (Only available in the exposure mode effective for Auto).

5. **Focus control**
   Focus+: focus farther away
   Focus-: focus nearer
   Auto focus: automatically focus on item in center of frame
   Manual focus: To use Focus + and -

6. **Camera address selection:**
   Select the camera which you want to be controlled. For multiple camera control using same IR remote.

7. **# key**
   For key combination use.

8. **Pan/Tilt Controller**
   ↑ Move Up
   ↓ Move Down
   ← Move Left
   → Move Right
   (HOME) key: Return to the middle position.

9. **Menu setting**
   Open or close the OSD menu

10. **Zoom Control**
    ↓ Zoom Out
    ↑ Zoom In

11. **Camera IR remote control address selection**
    Camera Address No.1 : (*)+(#)+(F1)
    Camera Address No.2:  (*)+(#)+(F2)
    Camera Address No.3 : (*)+(#)+(F3)
    Camera Address No.4 : (*)+(#)+(F4)

Still have questions?
Give us a call.